Cytometer Baseline Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/21/2017 12:00 PM
Tube Loaded Manually:	Yes		
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)		

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	PMTV	New Target Value	Old Target Value	Bright Bead %Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV	Dim Bead Median Channel	Dim Bead % Robust CV
Blue	FSC	FSC	598	125000	125000	1.64	117169	1.61	17966	5.91
Blue	F	SSC	534	125000	125000	2.63	122859	2.42	60841	1.47
Blue	E	FITC	544	23505	21625	2.27	1043	10.10	118	37.89
Blue	D	PE	538	29006	26832	1.90	1042	9.55	230	27.96
Blue	B	PerCP-Cy5-5	636	51678	48027	3.22	1480	16.21	235	43.90
Blue	A	PE-Cy7	685	43539	40971	4.92	675	34.39	73	116.49
Red	C	APC	598	53175	49746	2.90	3079	9.52	359	27.77
Red	A	APC-Cy7	583	57496	53615	2.88	1189	11.39	131	41.25
Violet	B	V450	472	13451	14488	6.10 (1)	645	10.30	78	43.24
Violet	A	V500	503	56484	55123	6.02	2498	7.69	182	25.15

Detector Settings (Continued)

Laser	Detector	Parameter	Linearity Min Channel	Linearity Max Channel	Slope	Intercept	Electronic Noise Robust SD	Qr	Br
Blue	FSC	FSC	N/A	N/A	0.0040	2.7	N/A	N/A	N/A
Blue	F	SSC	N/A	N/A	7.1111	-14.3	N/A	N/A	N/A
Blue	E	FITC	42	238528	7.3406	-15.7	23.5	0.0213	151
Blue	D	PE	24	241305	7.2612	-15.4	23.4	0.1668	230
Blue	B	PerCP-Cy5-5	142	231544	7.3449	-15.9	25.4	0.0112	151
Blue	A	PE-Cy7	97	232099	7.4271	-16.4	23.8	0.0127	17
Red	C	APC	102	240253	7.3854	-15.8	20.2	0.0201	71
Red	A	APC-Cy7	98	240429	7.4006	-15.7	20.3	0.0054	1725
Violet	B	V450	92	238625	7.3651	-15.6	13.3	0.0428	1856
Violet	A	V500	91	237337	7.5844	-15.7	14.5	0.0181	1685

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.66	-31.26	0.81
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.57	13.27 - 19.91	N/A	N/A	31.37	31.91	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11457

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments

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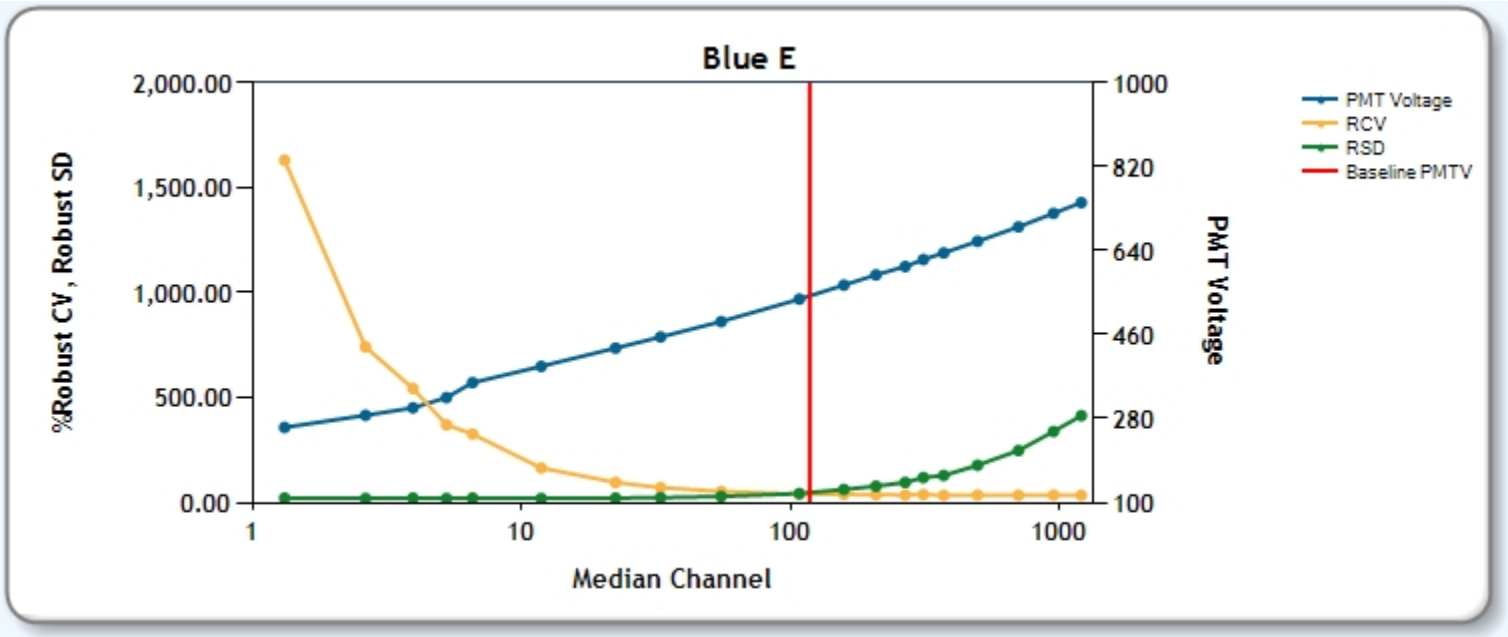
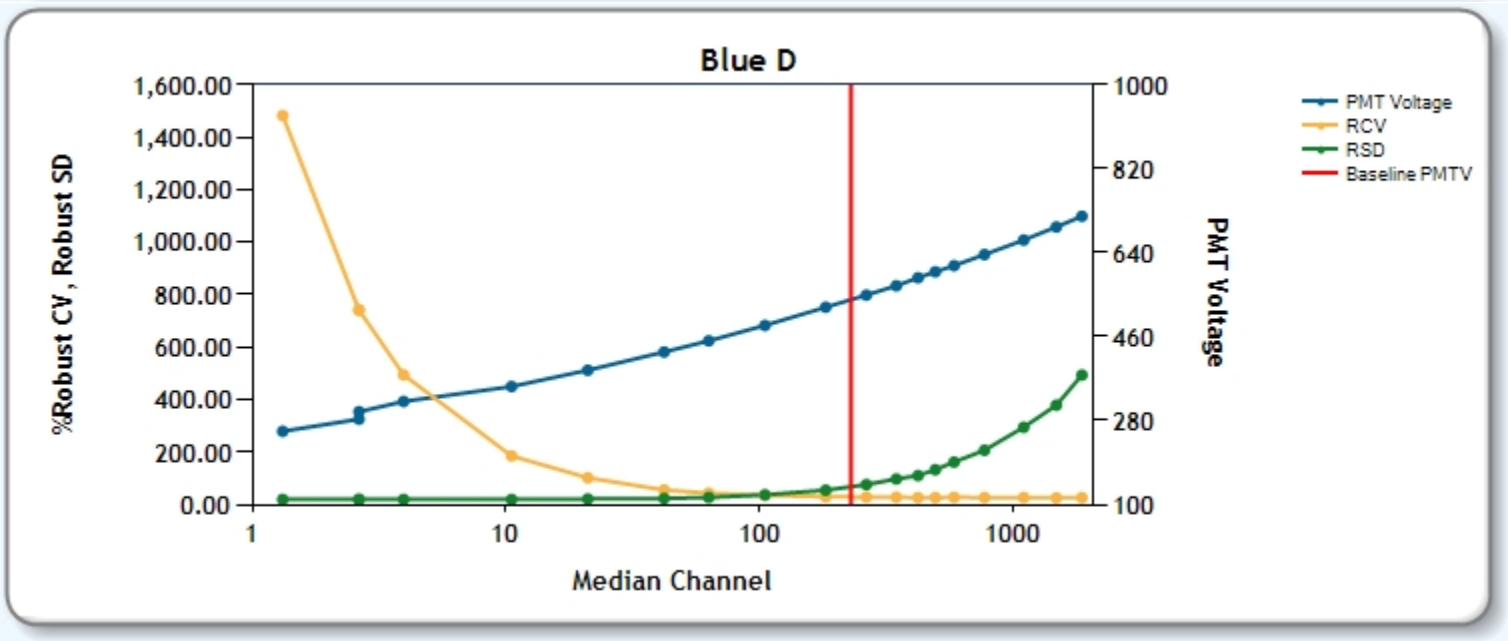
PMTV Optimization Results





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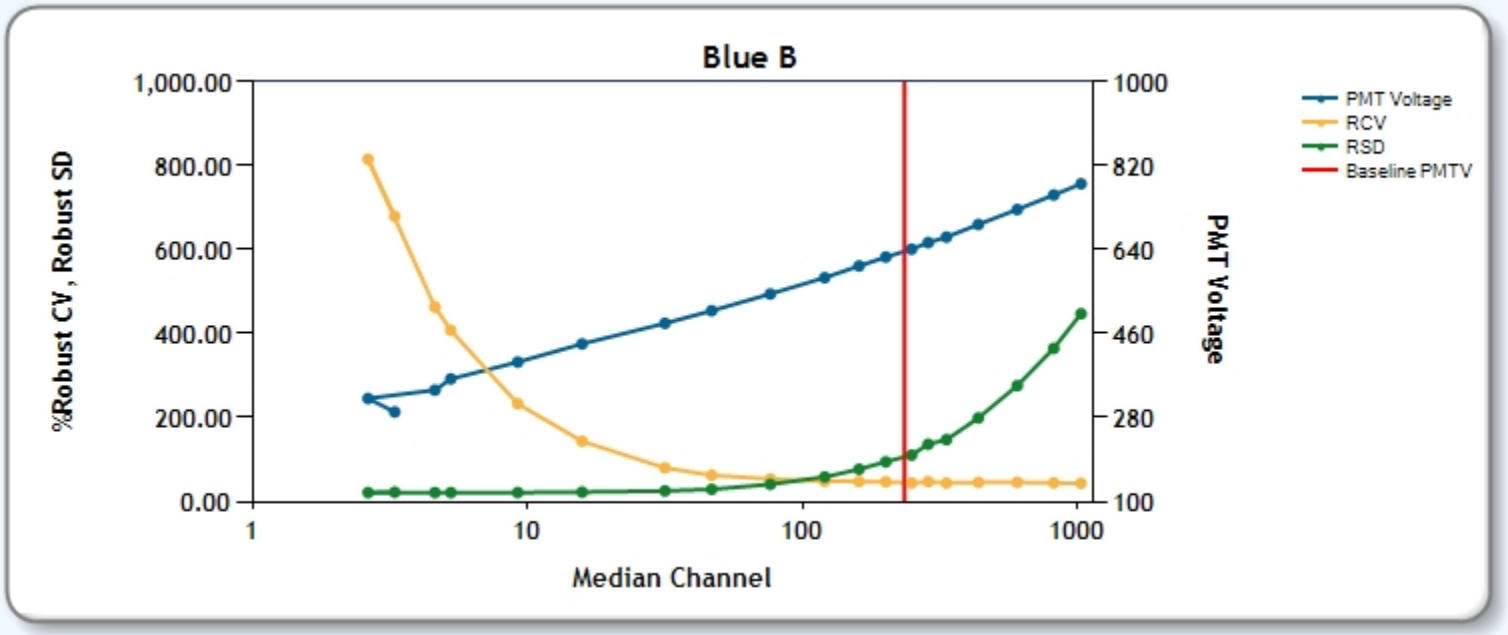

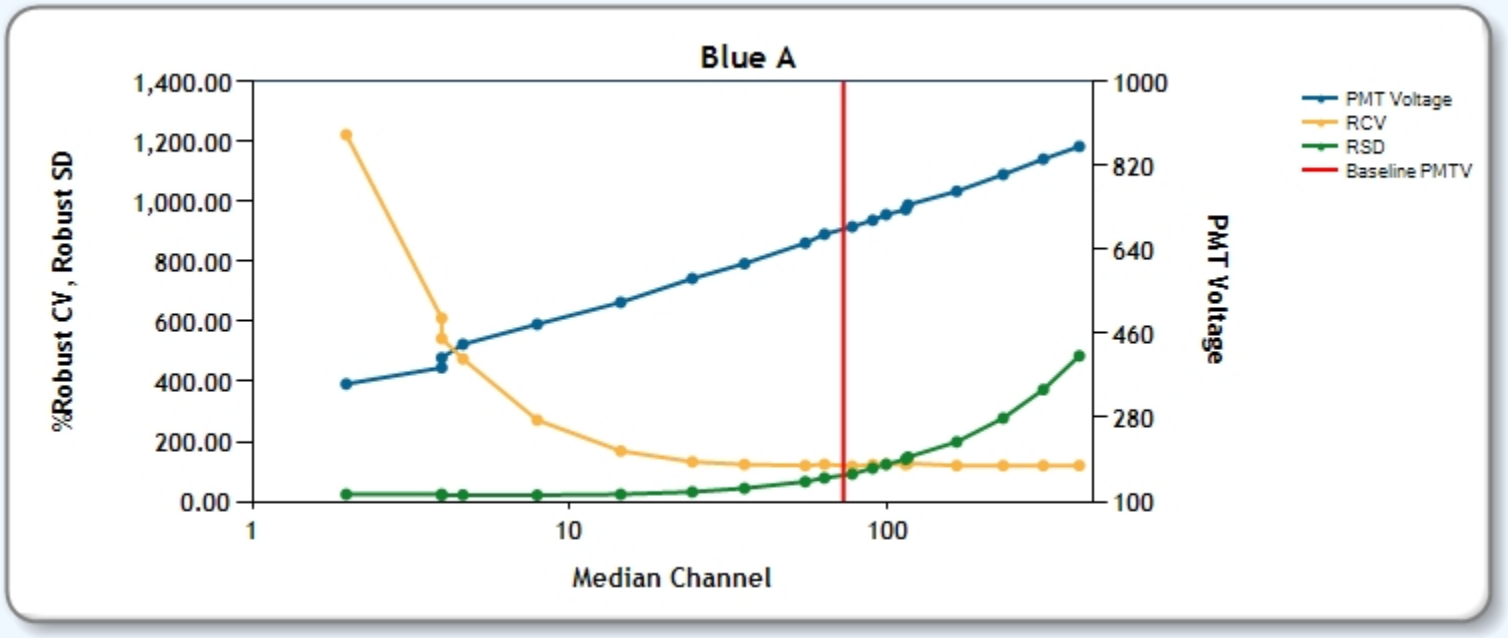

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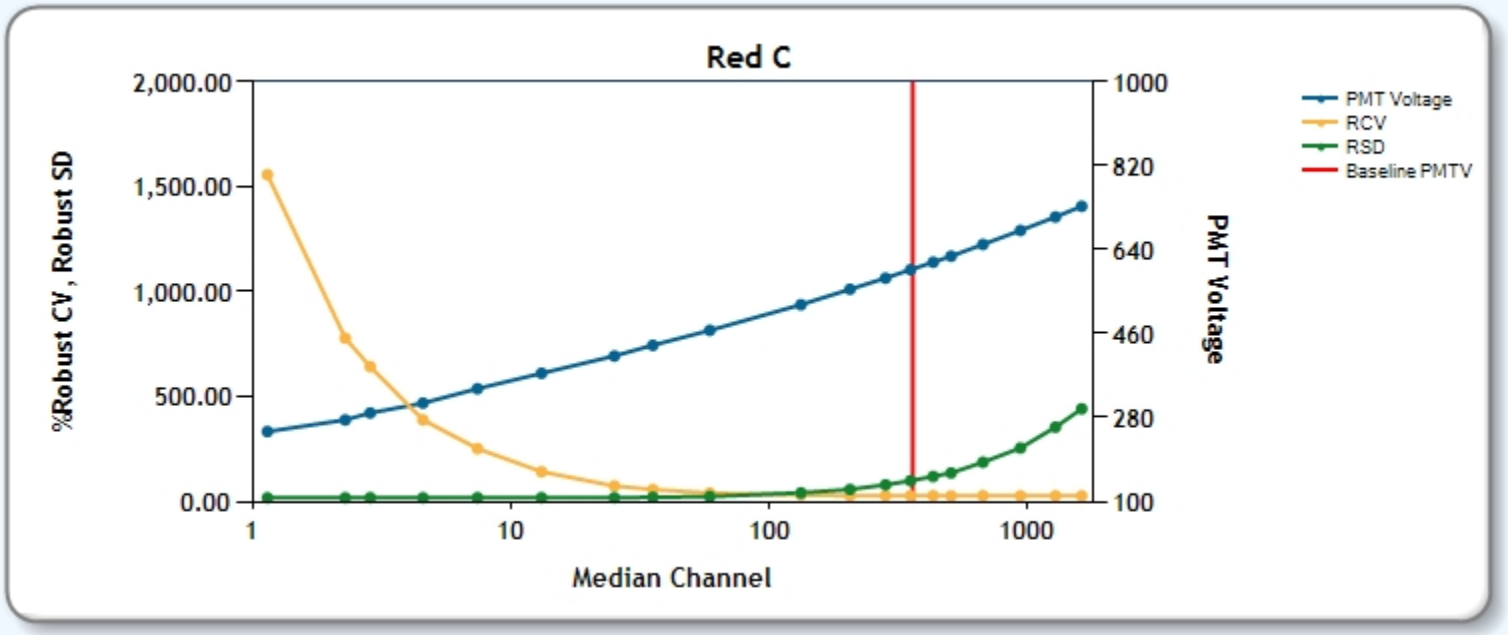

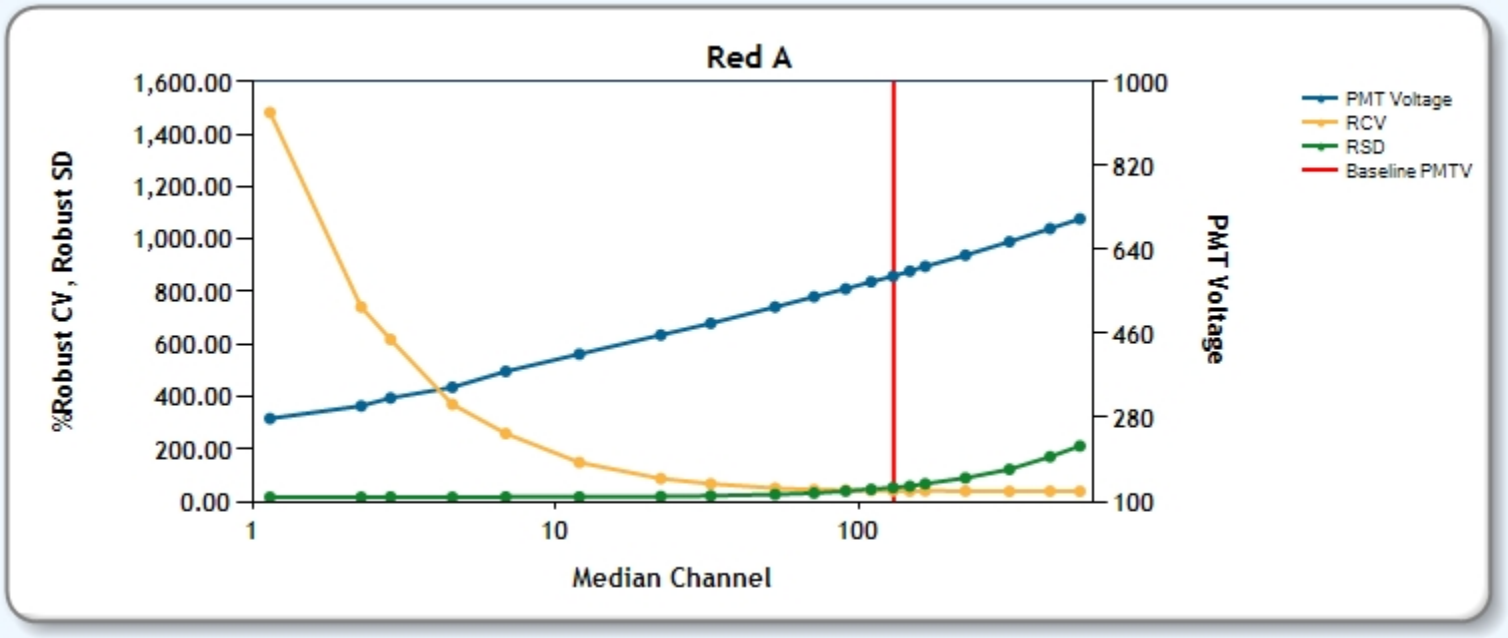

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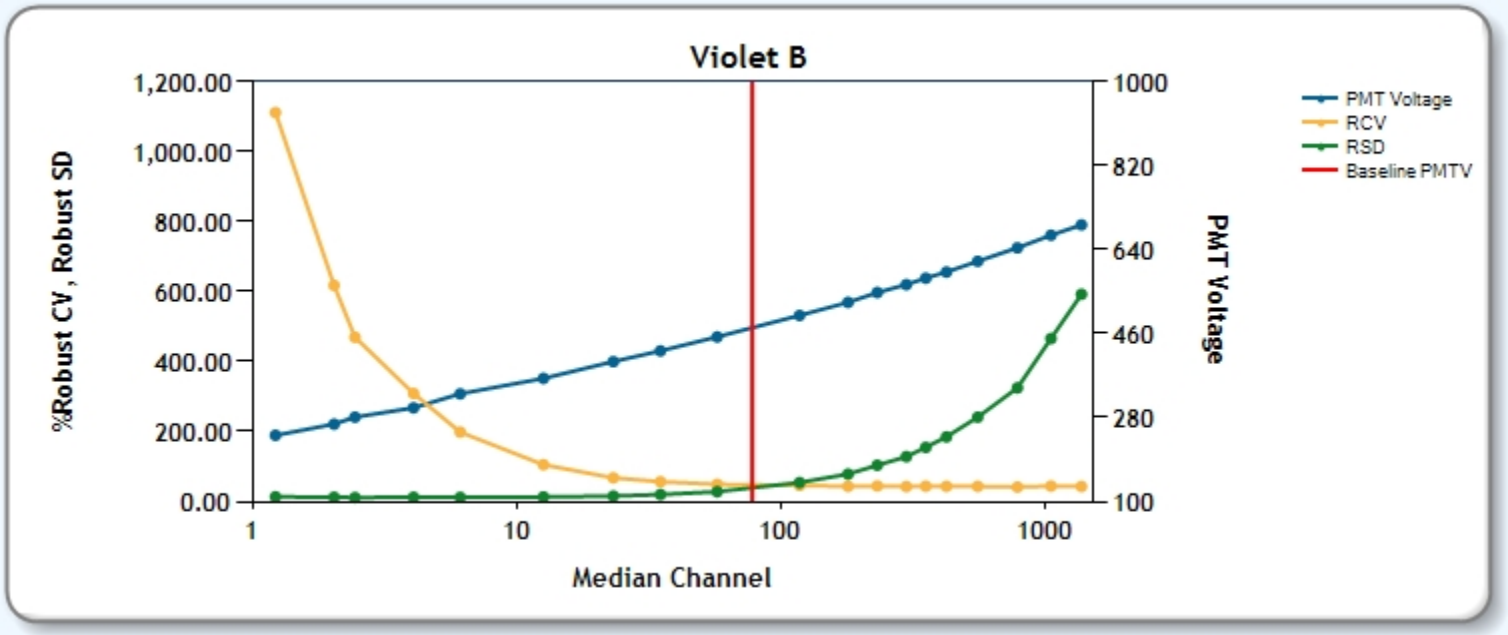

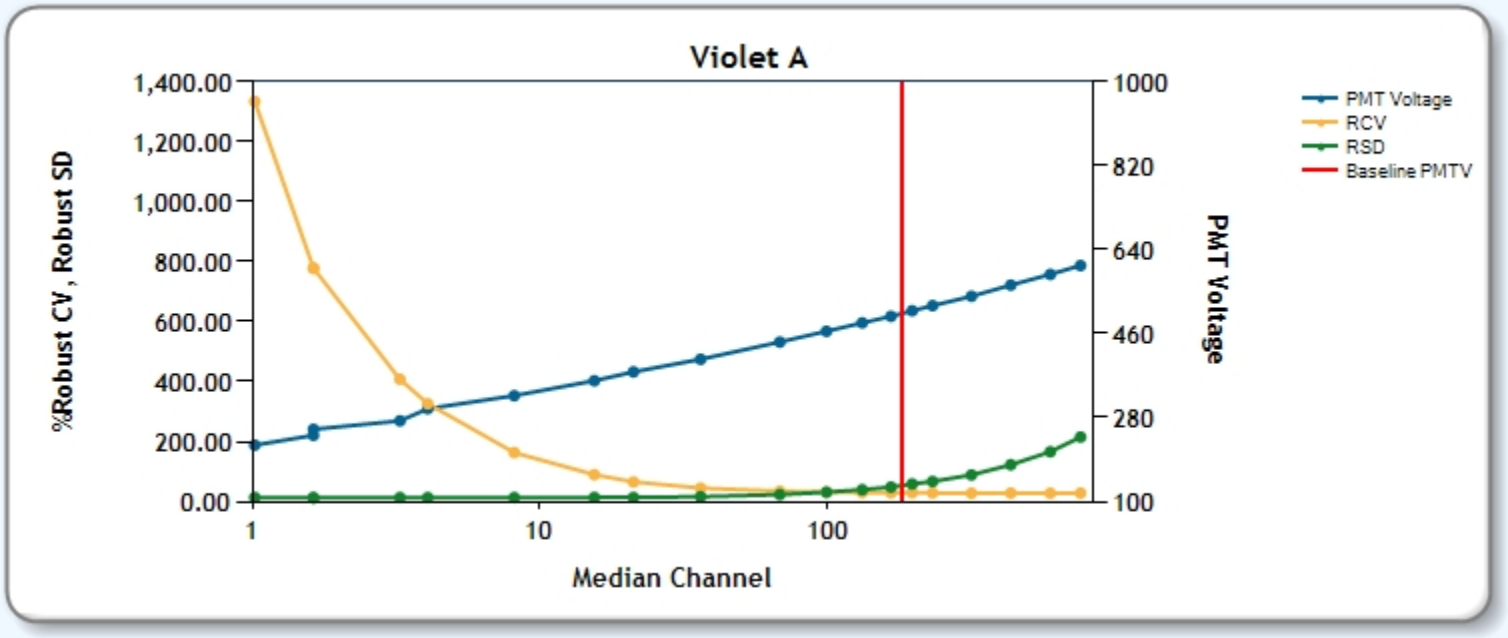

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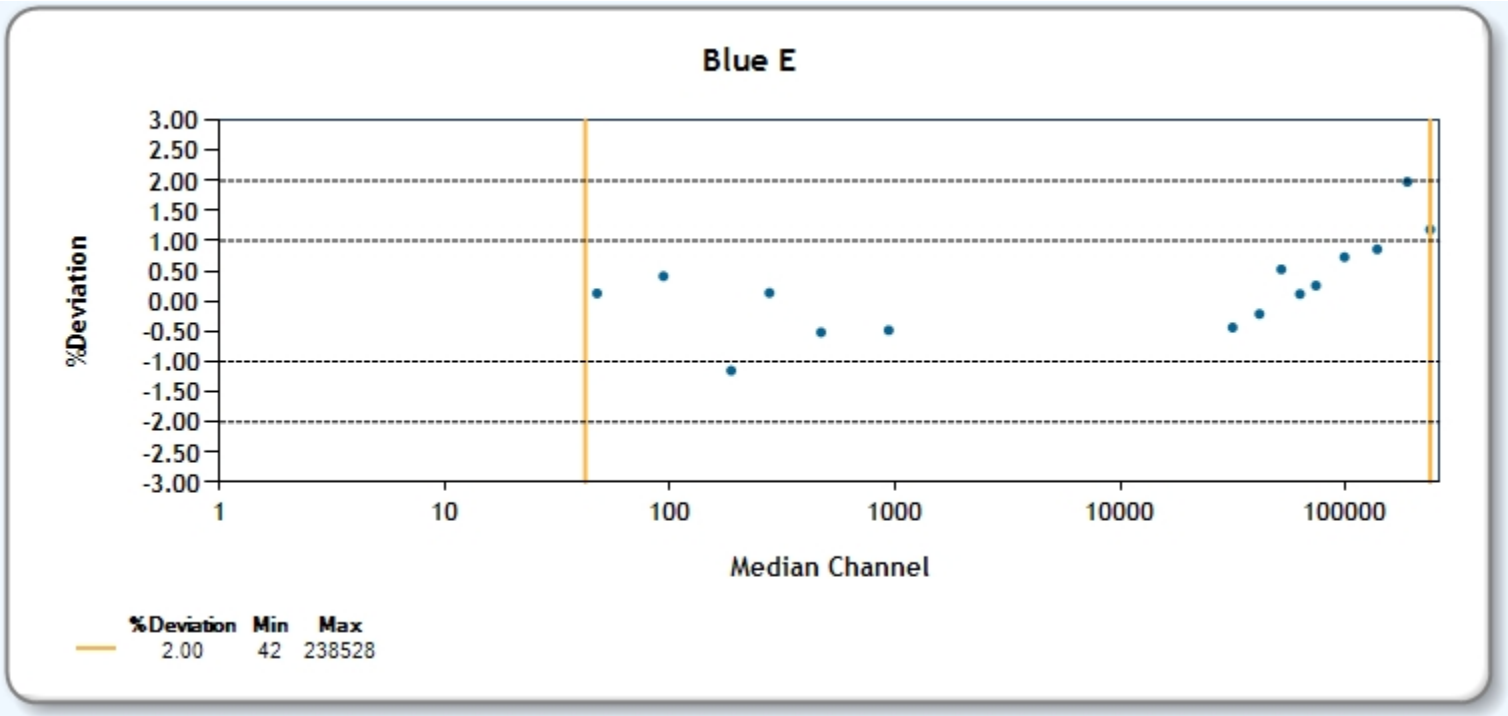
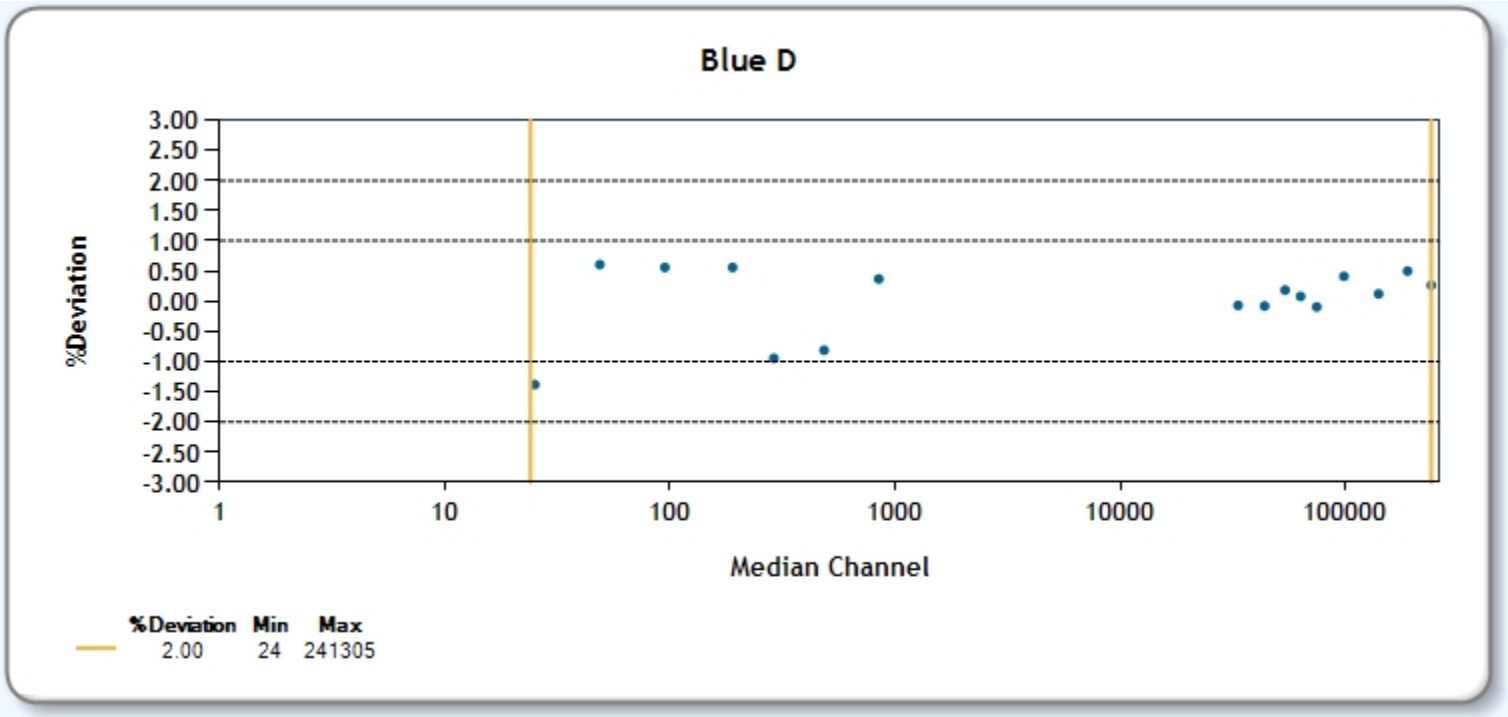
Linearity Results





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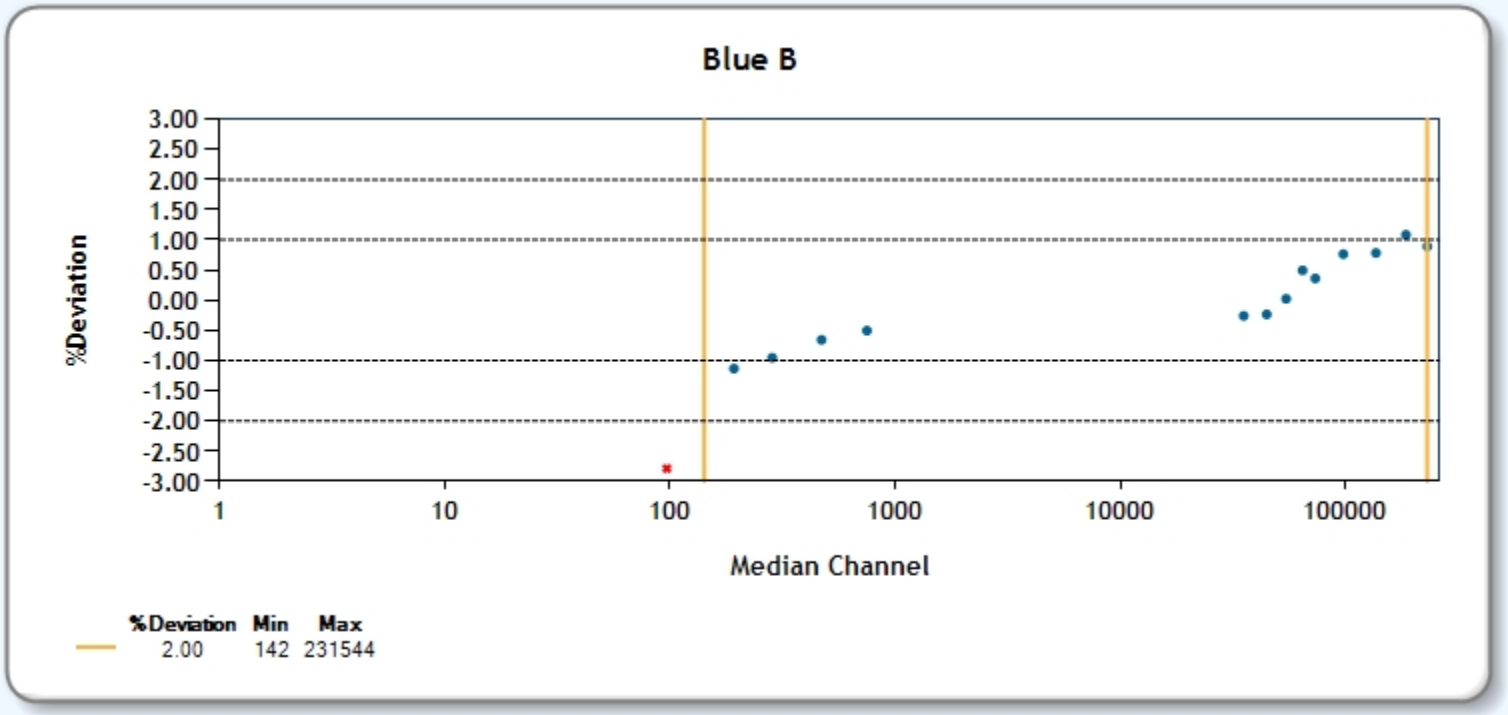

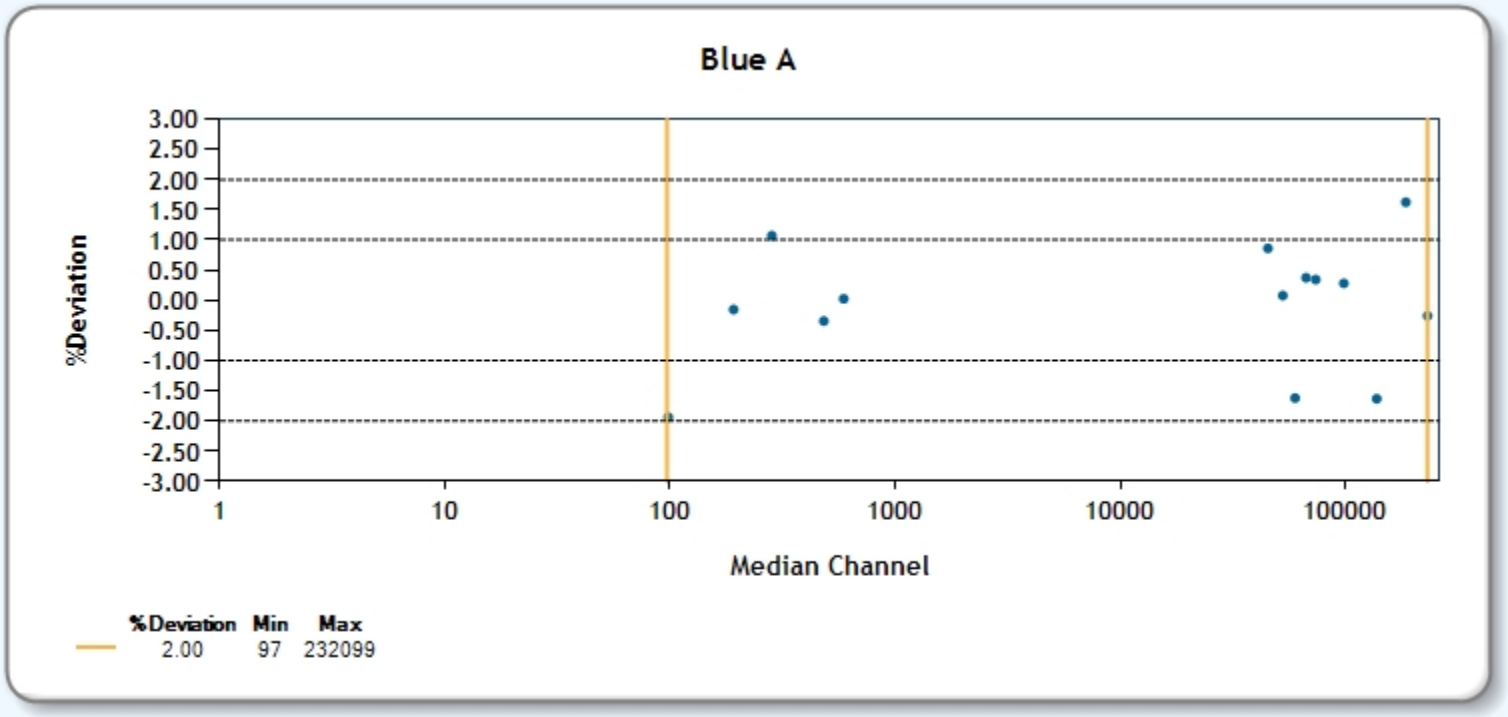

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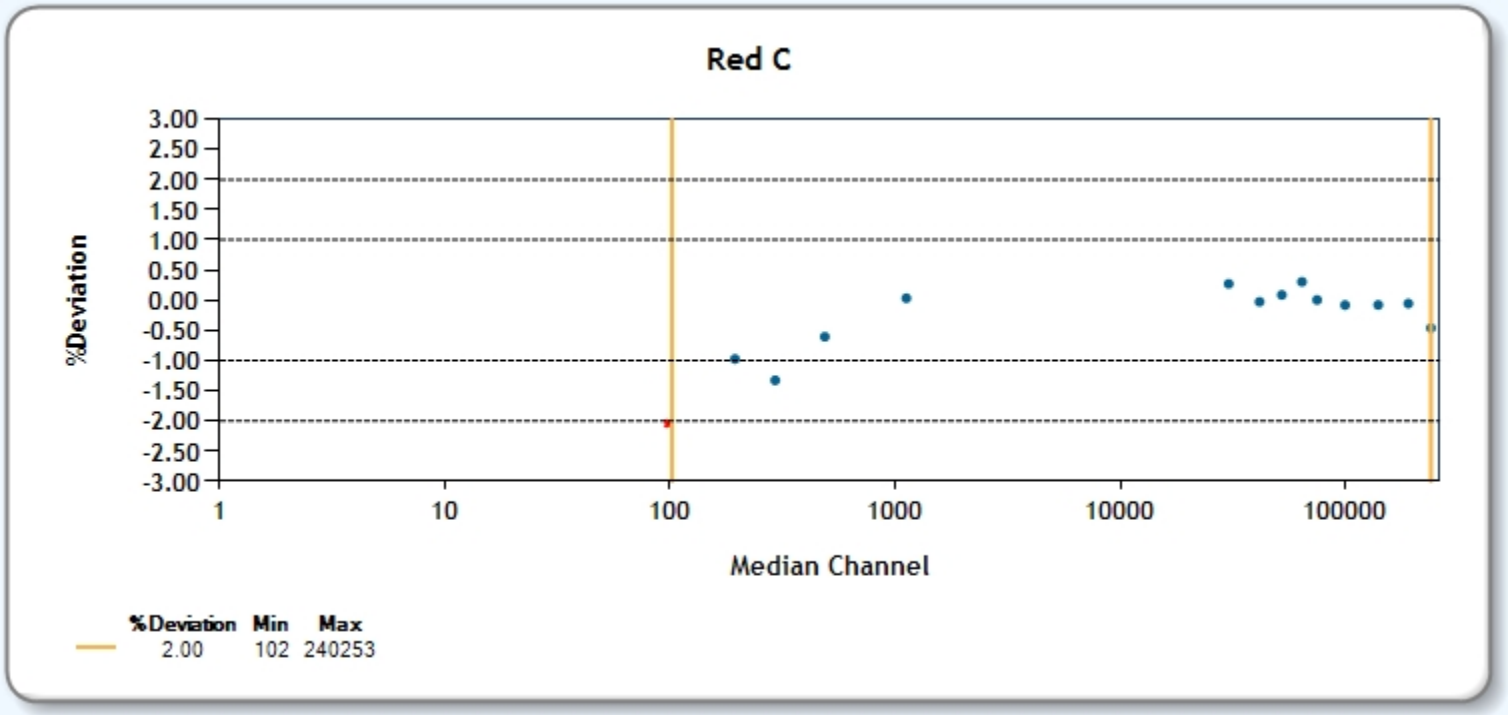

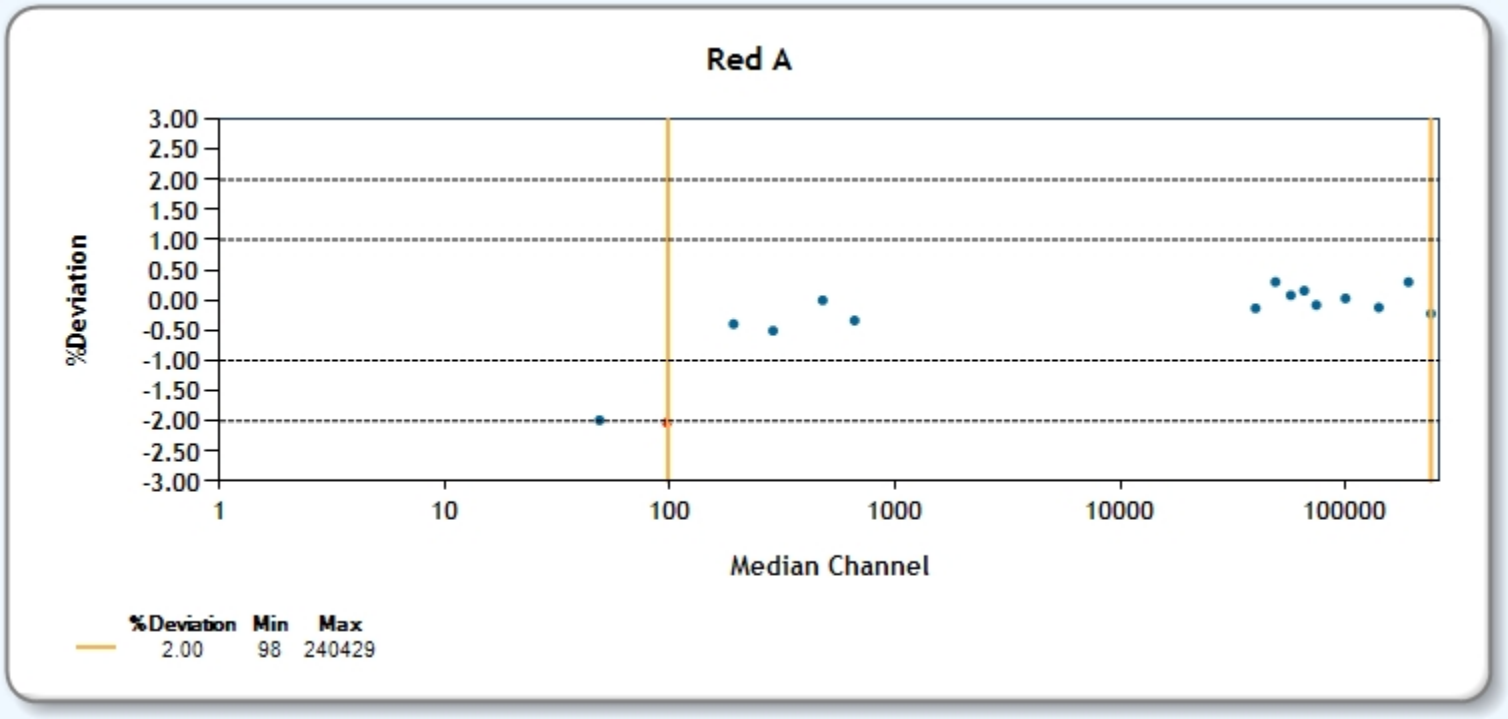

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